

CLAIMS:

1. A disc-positioning mechanism for a car-mounted disc player, comprising:

a drive chassis, said drive chassis comprising a turntable and a pickup;

a clamper-supporting member;

a clamper rotatably supported on the clamper-supporting member, said clamper operable to clamp a disc between the clamper and the turntable; and

at least one positioning member abutting against the outer periphery of a disc inserted from a slot, said at least one positioning member comprising an abutment operable to make contact with the periphery of the disc and a regulatory portion that extends farther toward the slot than the abutment;

wherein said at least one positioning member is supported on the drive chassis and the regulatory portion abuts against the clamper-supporting member.,

2. The disc-positioning mechanism of Claim 1, wherein the regulatory portion is made from an elastic member and the elastic member elastically abuts against the clamper-supporting member.

3. The disc-positioning mechanism of Claim 2, wherein the regulatory portion is made from a leaf spring comprising a base portion fixed to the positioning member and a free end elastically abutting against the clamper-supporting member.

4. The disc-positioning mechanism of Claim 3, wherein the base portion of the leaf spring is fixed to the abutment.

5. The disc-positioning mechanism of Claim 1, wherein the positioning member is operable to be moved between a first position in which the small disc is

positioned with respect to the turntable and a second position in which the large disc is positioned with respect to the turntable.

6. The disc-positioning mechanism of Claim 5 wherein the regulatory portion slides while abutting against the clamper-supporting member when the positioning member moves.

7. The disc-positioning mechanism of Claim 5, wherein the positioning member is turnably supported on the drive chassis and the regulatory portion extends outward from the clamper and abuts against the lower surface of the clamper-supporting member.

8. The disc-positioning mechanism of Claim 5, wherein said at least one positioning member comprises a pair of positioning members, said pair of positioning members operable to turn in synchronization with each other between the first and second positions.

9. The disc-positioning mechanism of Claim 8 wherein the abutment of one of the positioning members is made from a synthetic resin and the abutment of the other positioning member is made from a metal plate.

10. The disc-positioning mechanism of Claim 8, wherein a first disc is positioned against the fronts of the abutments of the two positioning members lying at the first position, and a second disc of greater diameter than the first disc is positioned against the inner circumferential surfaces of the abutments of the two positioning members lying at the second position.

11. A disc-positioning mechanism for a car-mounted disc player, comprising:

a drive chassis, said drive chassis comprising a turntable and a pickup;

a clamper-supporting member;

a clamper rotatably supported on the clamper-supporting member, said clamper operable to clamp a disc between the clamper and the turntable; and

at least one positioning member abutting against the outer periphery of a disc inserted from a slot, said at least one positioning member comprising an abutment operable to make contact with the periphery of the disc and a regulatory portion that extends farther toward the slot than the abutment;

wherein said at least one positioning member is supported on the clamper-supporting member and the regulatory portion abuts against the drive chassis.

12. The disc-positioning mechanism of Claim 11, wherein the regulatory portion is made from an elastic member and the elastic member elastically abuts against the clamper-supporting member.

13. The disc-positioning mechanism of Claim 12, wherein the regulatory portion is made from a leaf spring comprising a base portion fixed to the positioning member and a free end elastically abutting against the clamper-supporting member.

14. The disc-positioning mechanism of Claim 13, wherein the base portion of the leaf spring is fixed to the abutment.

15. The disc-positioning mechanism of Claim 15, wherein the positioning member is operable to be moved between a first position in which the small disc is positioned with respect to the turntable and a second position in which the large disc is positioned with respect to the turntable.

16. The disc-positioning mechanism of Claim 15 wherein the regulatory portion slides while abutting against the clamper-supporting member when the positioning member moves.

17. The disc-positioning mechanism of Claim 15, wherein the positioning member is turnably supported on the drive chassis and the regulatory portion

extends outward from the clamper and abuts against the lower surface of the clamper-supporting member.

18. The disc-positioning mechanism of Claim 15, wherein said at least one positioning member comprises a pair of positioning members, said pair of positioning members operable to turn in synchronization with each other between the first and second positions.

19. The disc-positioning mechanism of Claim 18 wherein the abutment of one of the positioning members is made from a synthetic resin and the abutment of the other positioning member is made from a metal plate.

20. The disc-positioning mechanism of Claim 18, wherein a first disc is positioned against the fronts of the abutments of the two positioning members lying at the first position, and a second disc of greater diameter than the first disc is positioned against the inner circumferential surfaces of the abutments of the two positioning members lying at the second position.

21. A disc-positioning mechanism of a car-mounted disc player, comprising:

a drive chassis, said drive chassis comprising a turntable and a pickup;

a clamper-supporting member;

a clamper rotatably supported on the clamper-supporting member and being able to clamp a disc between the clamper and the turntable; and

a pair of positioning members operable to position a disc inserted through the slot of the disc player by abutting the outer periphery of the disc,

wherein each of the positioning members is operable to move between a first position at which a first disc is positioned with respect to the turntable and a second position at which the second disc having a diameter greater than the first disc is positioned with respect to the turntable.

22. The disc-positioning mechanism of Claim 21 wherein each of said positioning members comprises an abutment and a regulatory portion made from an elastic member and extending farther toward the slot than the abutment.

23. The disc-positioning mechanism of Claim 22 wherein the two positioning members are supported on the drive chassis and the regulatory portion elastically abuts the clamper-supporting member.

24. The disc-positioning mechanism of Claim 22 wherein the two positioning members are supported on the clamper-supporting member and the regulatory portion elastically abuts the drive chassis.